Washington State Department of Transportation

Inspector's Daily Report

IDR Sheet 1 of 2 Sheets	Final Record Book	Page
Contract: C-7852	Day: Wednesday	Date: July 7, 2010

DIARY - Including but not limited to: a report of the day's operations, time log (if applicable), orders given and received, discussions with contractor, and any applicable statements for the monthly estimate.

I arrived on-site around 11:00 am and met with Norm Norrish and Brad Schut to discuss the pre-excavation dowel located at approximate station LW 1320+00. Brad had indicated the previous day that the drilling did not encounter any bedrock at that location. I stated that Brad should have a test pit dug at that location to locate the top of bedrock. No test pits were dug when I arrived on-site so we had an excavator dig a test pit at approximate station LW 1320+00 and bedrock was encountered within 12 inches of the original dowel hole (Figure 1). Apparently, the dowel boring was drilled just above the overburden/bedrock contact. I indicated to Brad that an additional dowel should be drilled in the newly exposed bedrock.

Brad, Norm and I walked to approximate station LW 1337+00 where the first production blast was located. Approximately 6 feet of the first lift was exposed and many oversized boulders were excavated during mucking operations (Figure 2). The mucking had stopped and the oversized boulders were drilled and going to be broken down with small blasts on Thursday night (7/8/2010). Norm and I inspected the exposed wall and it appeared to be average to less than average quality, as expected at the top of the cut (Figure 3); however, we stated to Brad that we also expected the rock to tighten up and increase the quality with depth. Norm and I indicated to Brad that we needed to inspect the full 12 foot lift before we laid out the next row of pattern dowels and any bolts or dowels that needed to be located in the upper 12 feet of the cut. Brad stated that he expected mucking operations to continue on Friday following Thursday night's blasting of the oversized boulders.

Norm and I discussed the oversized blocks with Charley Murphy (contractor blasting consultant) and he indicated that he used 8' of stemming material for the first blast and he expected that future blasts would not produce the oversized blocks. Charley also indicated that he was looking into blasting the nested boulders located upslope of approximate station LW 1335+00. Charley stated that he would most likely be using a "shaped" charge which is similar to a surface charge; however, it has more of a directive energy blast than a surface charge. He indicated he would turn in a submital for the "shaped" charge soon.

Norm indicated that he would send photos of the upper 6 feet of the lift to Gerry Dilley for any comments or concerns he may have from the first blast and upcoming blasts.

I left the site around 3:00 pm

Michael P. Mulhern

Signed — Inspector

Figure 1. A photograph of the pre-excavation dowel location at approximate station LW 1320+00. Note the bedrock located 6-12 inches below the boring.

Figure 2. A photograph at approximate station LW 1337+00 of the oversized boulders produced during mucking of the first production blast.

Figure 3. A photograph of the upper 6 feet of the newly created cutslope located at approximate station LW 1337+00. Note the poorer quality exposed face (voids and loose blocks).